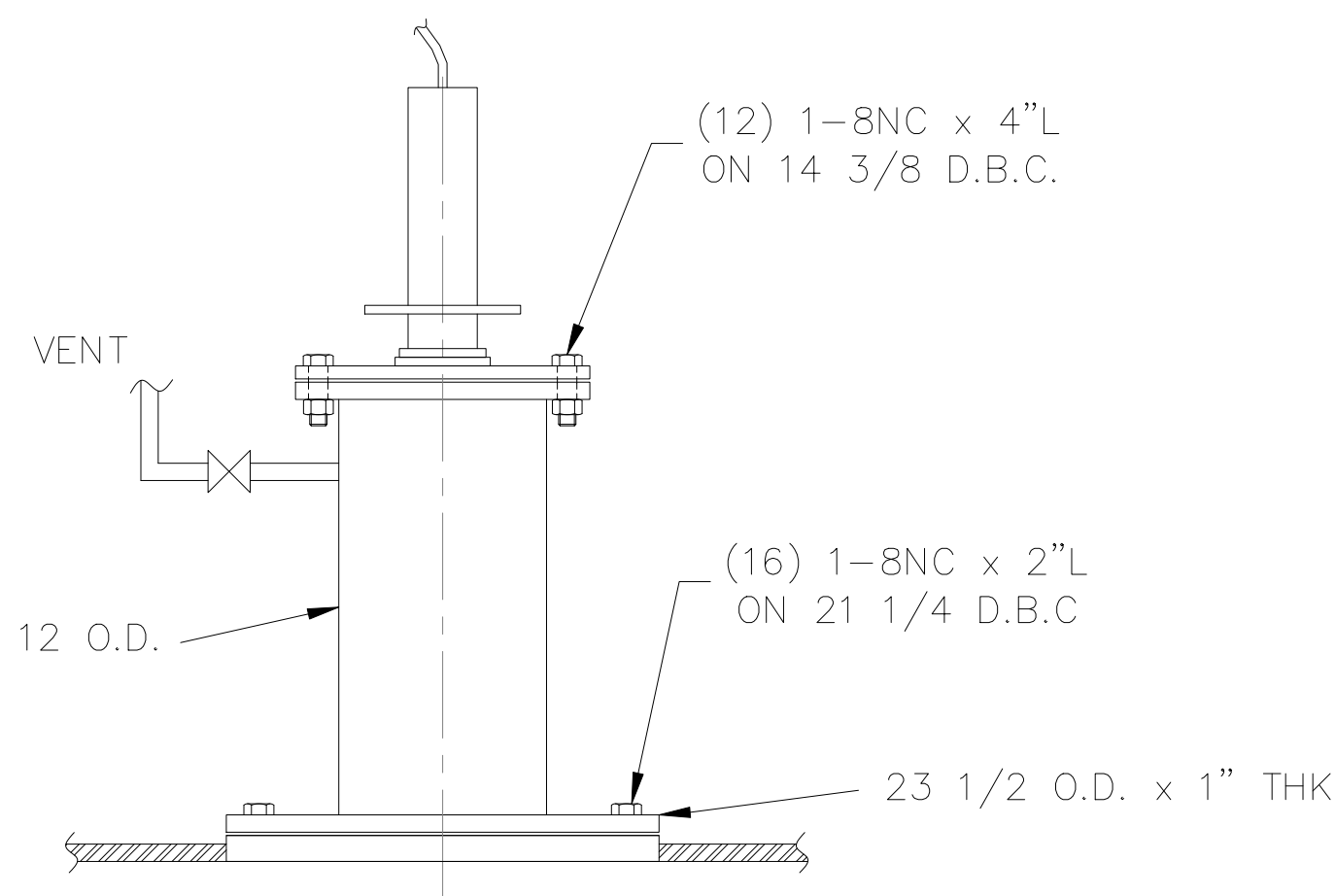
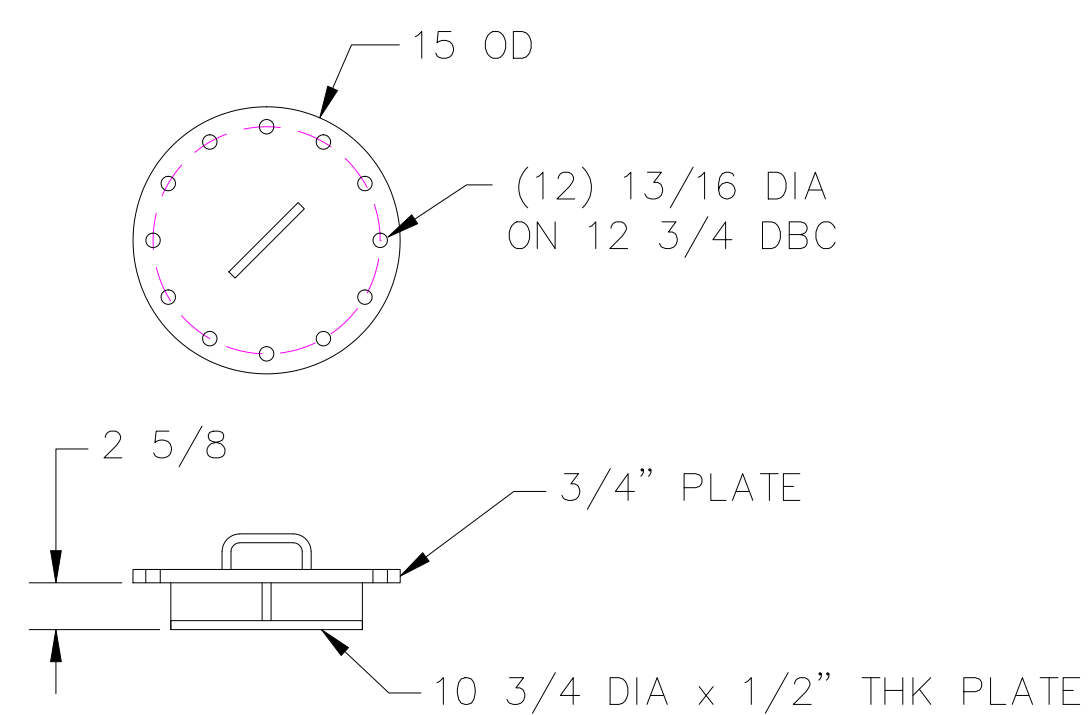


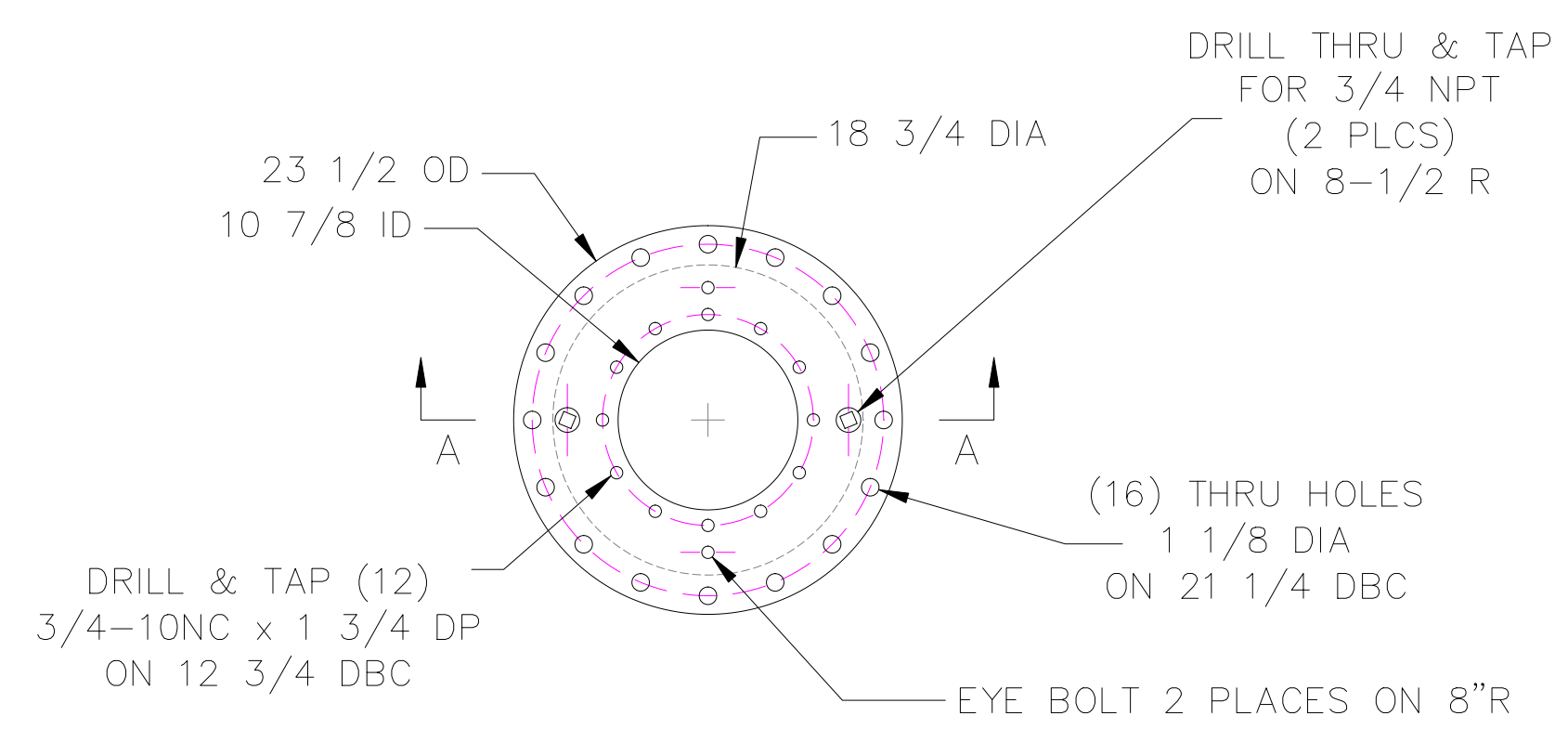




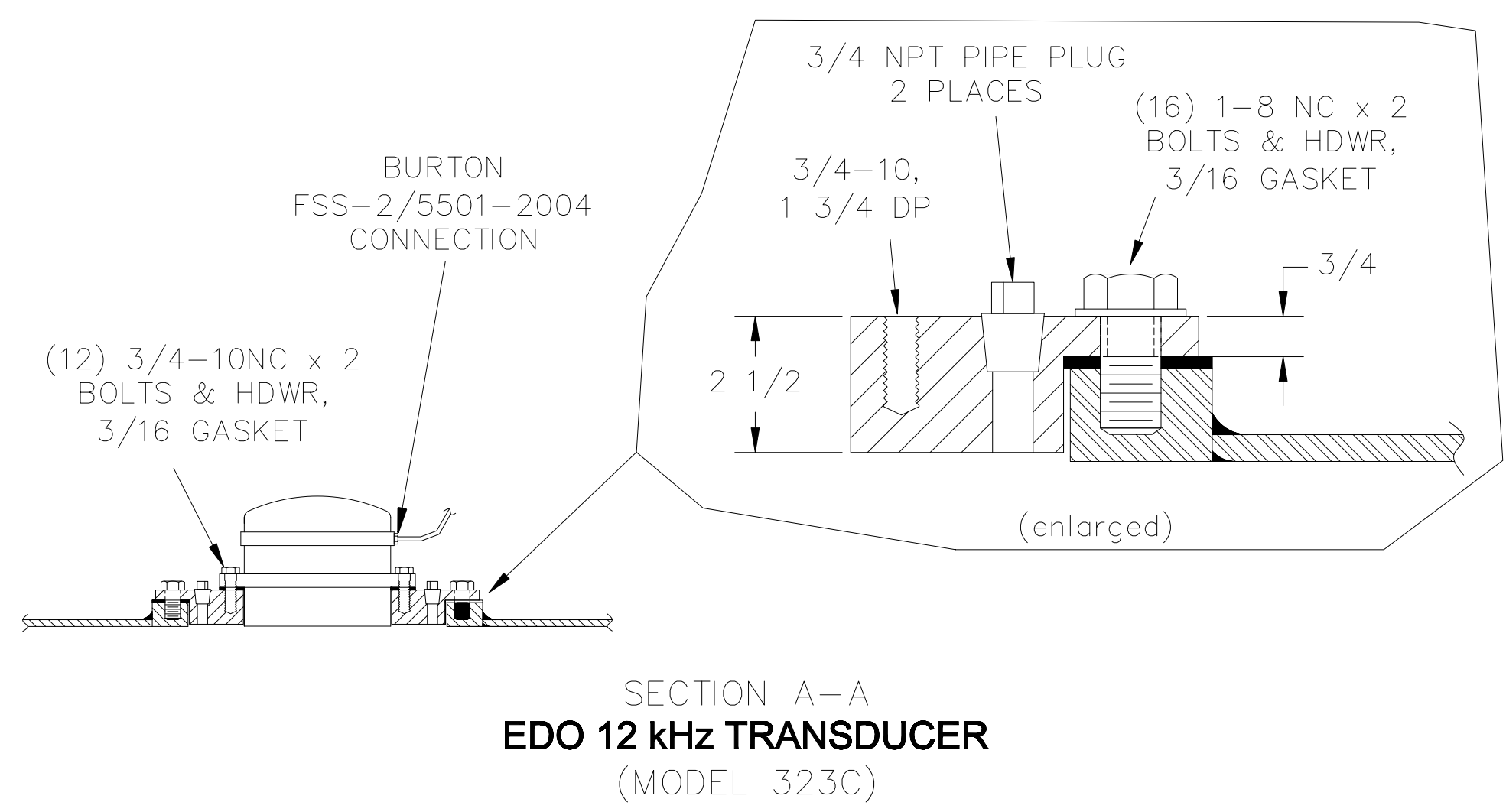
EDO SPEED LOG ADAPTER



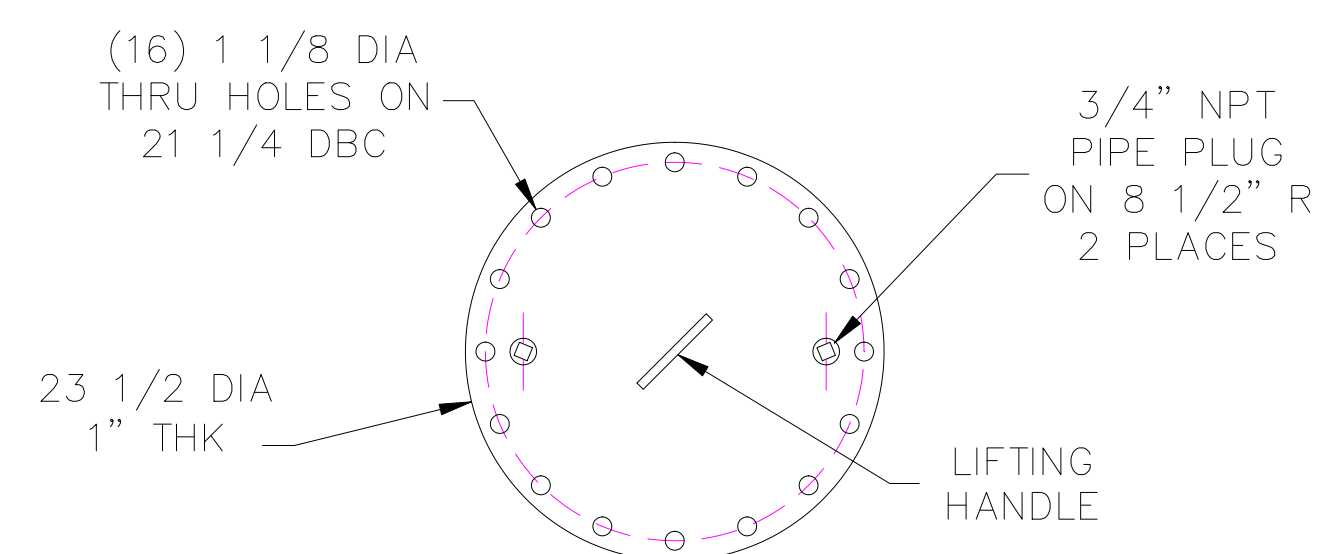
12 kHz EDO ADAPTER BLANKING PLUG



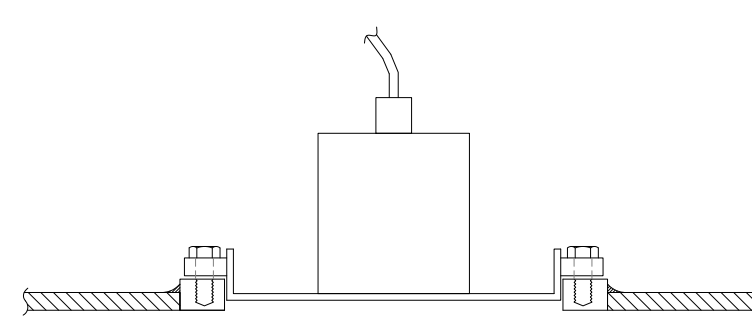
TYPICAL EDO 12 kHz / SP23 TRANSDUCER ADAPTER



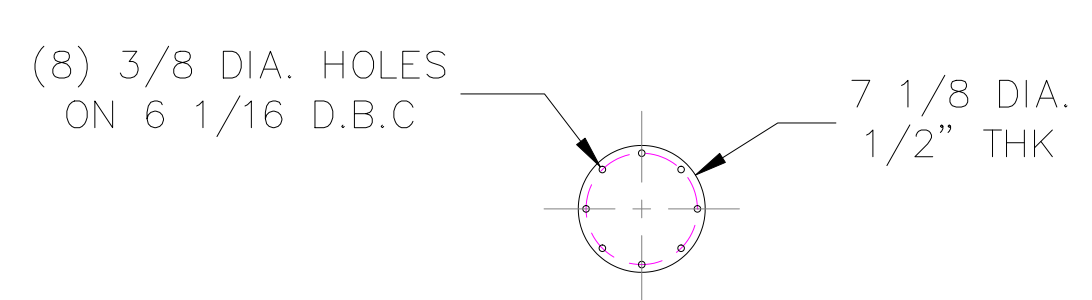
SECTION A-A
EDO 12 kHz TRANSDUCER
(MODEL 323C)



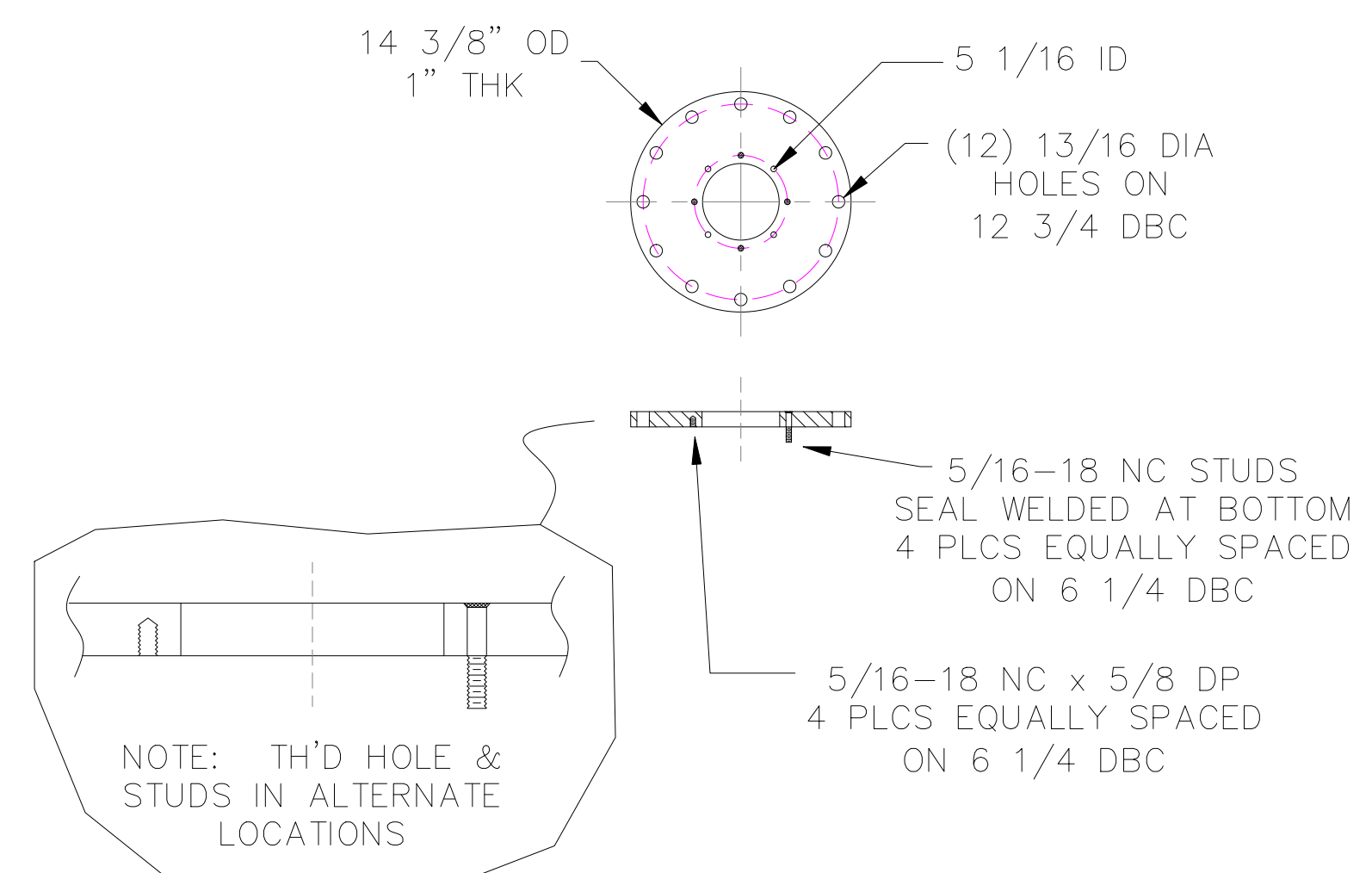
STANDARD COVER PLATE



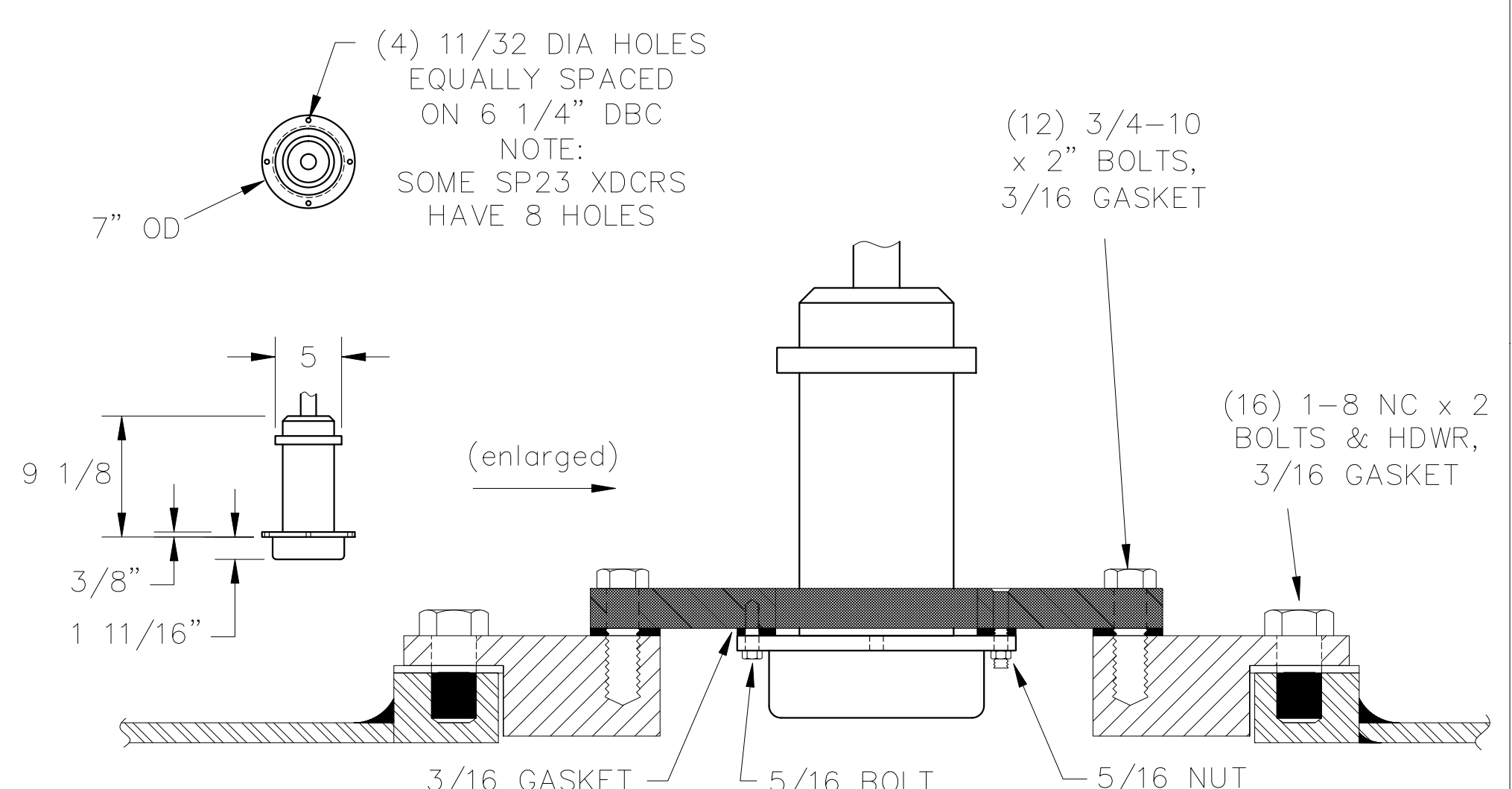
FURUNO FATHOMETER



SP23 BLANKING PLUG

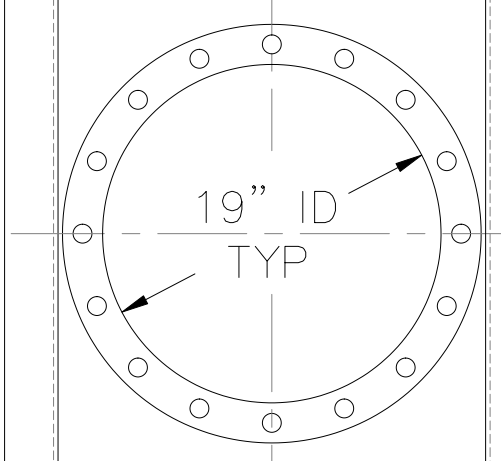


SP23 ADAPTER RING,

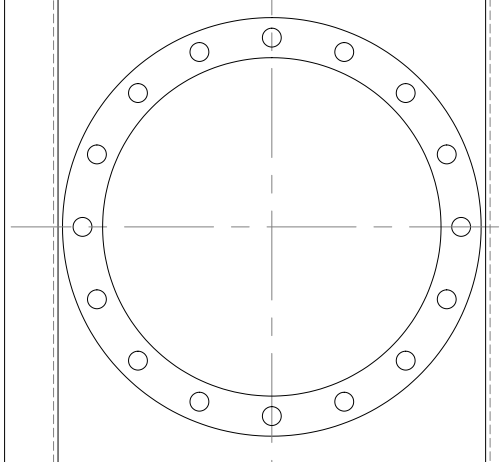


SP23 TRANSDUCER

FWD
SHIP CL

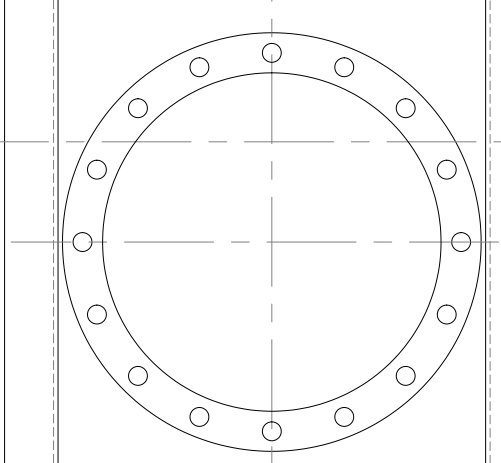


FR 3

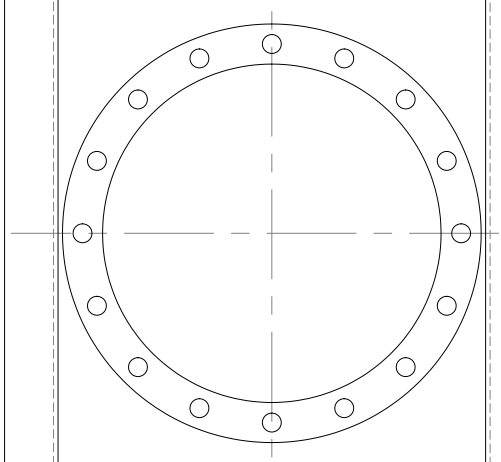


FR 5

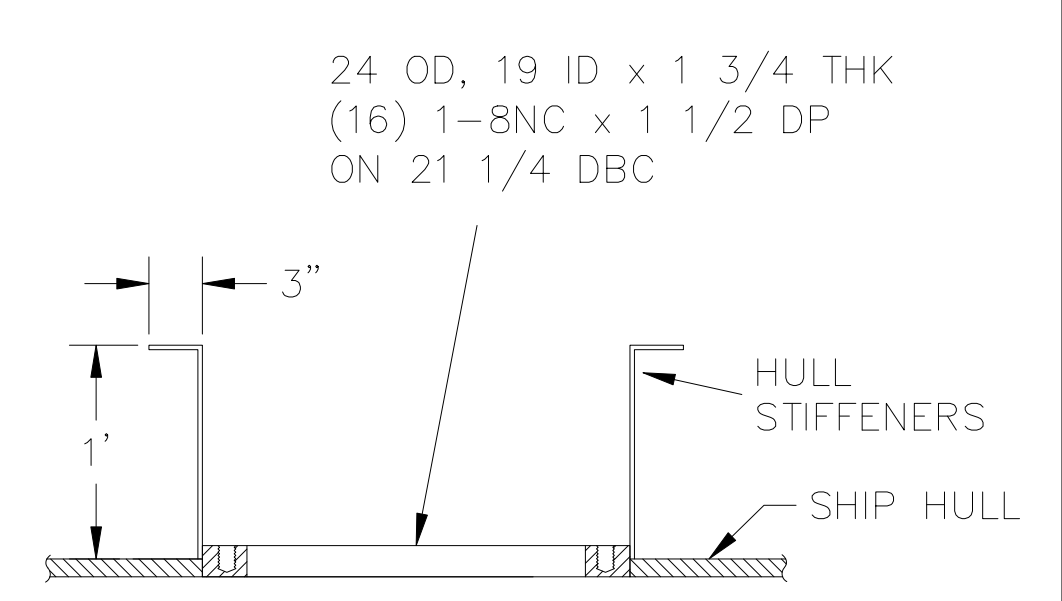
TRANSDUCERS
FLUSH WITH
KEEL OUTSIDE,
KEEL = 15' 6"
BELOW WL



CL OF ENTRANCE TRUNK ABOVE
FR 7



BILGE
SUCTION



TYPICAL HULL RING INSTALLATION
4 PLACES, LKG FORE/AFT

NORMAL INSTALLATIONS

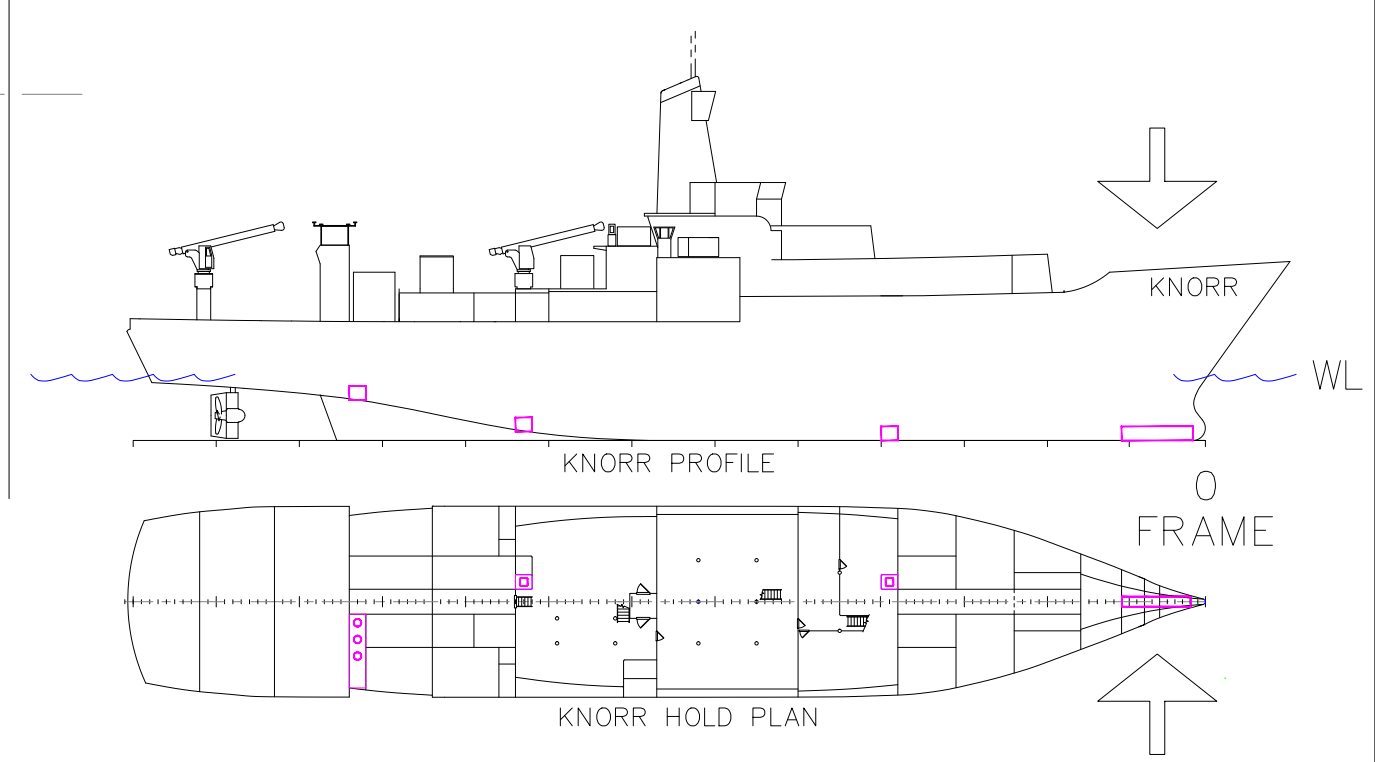
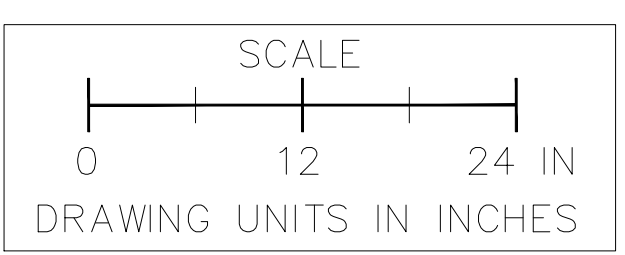
- FR 3 — EDO SPEED LOG
- FR 5 — SP23 TRANSDUCER
- FR 7 — FURUNO FATHOMETER
- FR 9 — EDO 12 kHz

SPARES

- 2 STANDARD COVER PLATES
- 1 EDO 12 kHz ADAPTER
- 1 EDO BLANKING PLUG
- 1 SP23 ADAPTER
- 1 SP23 BLANKING PLATE

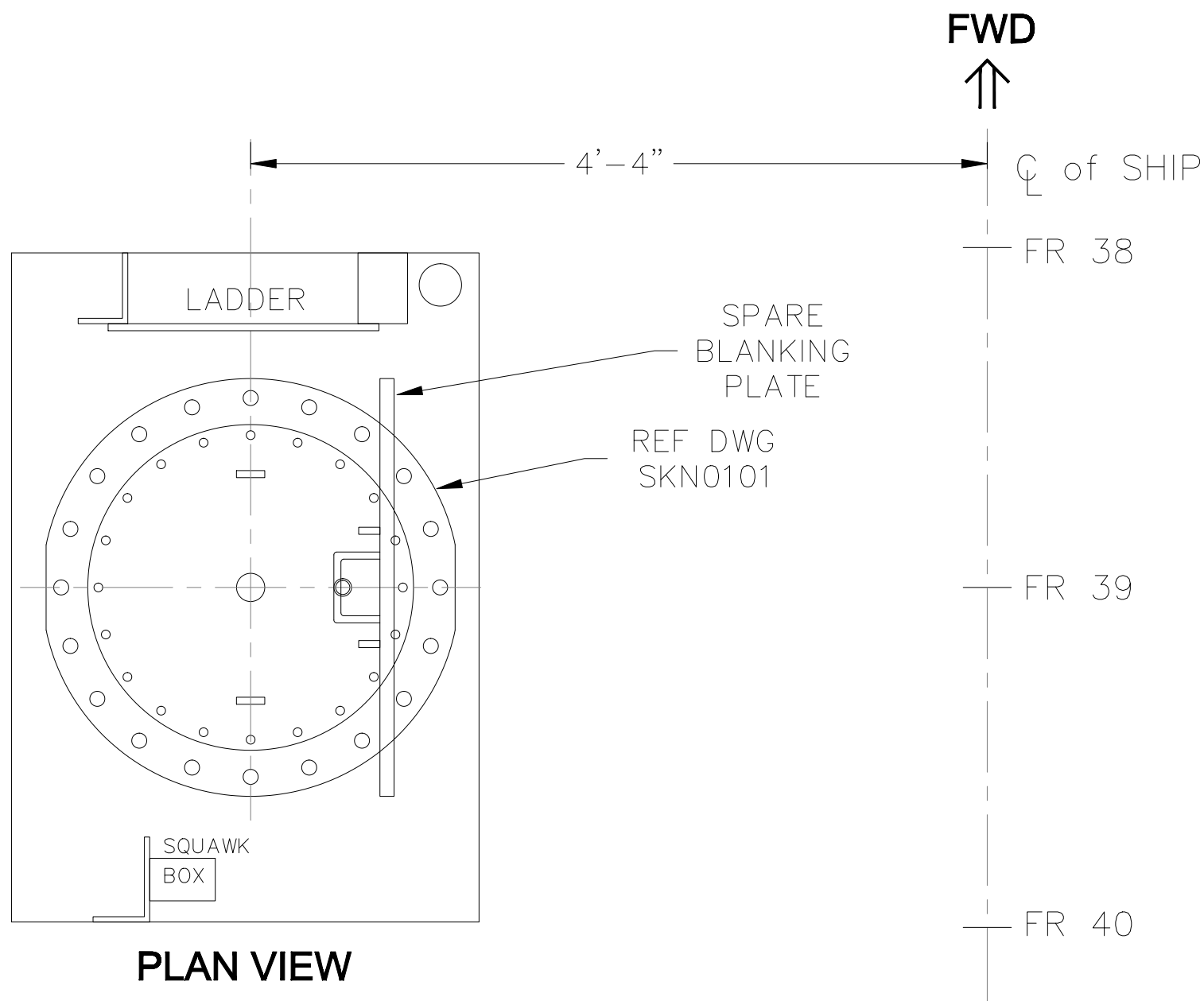
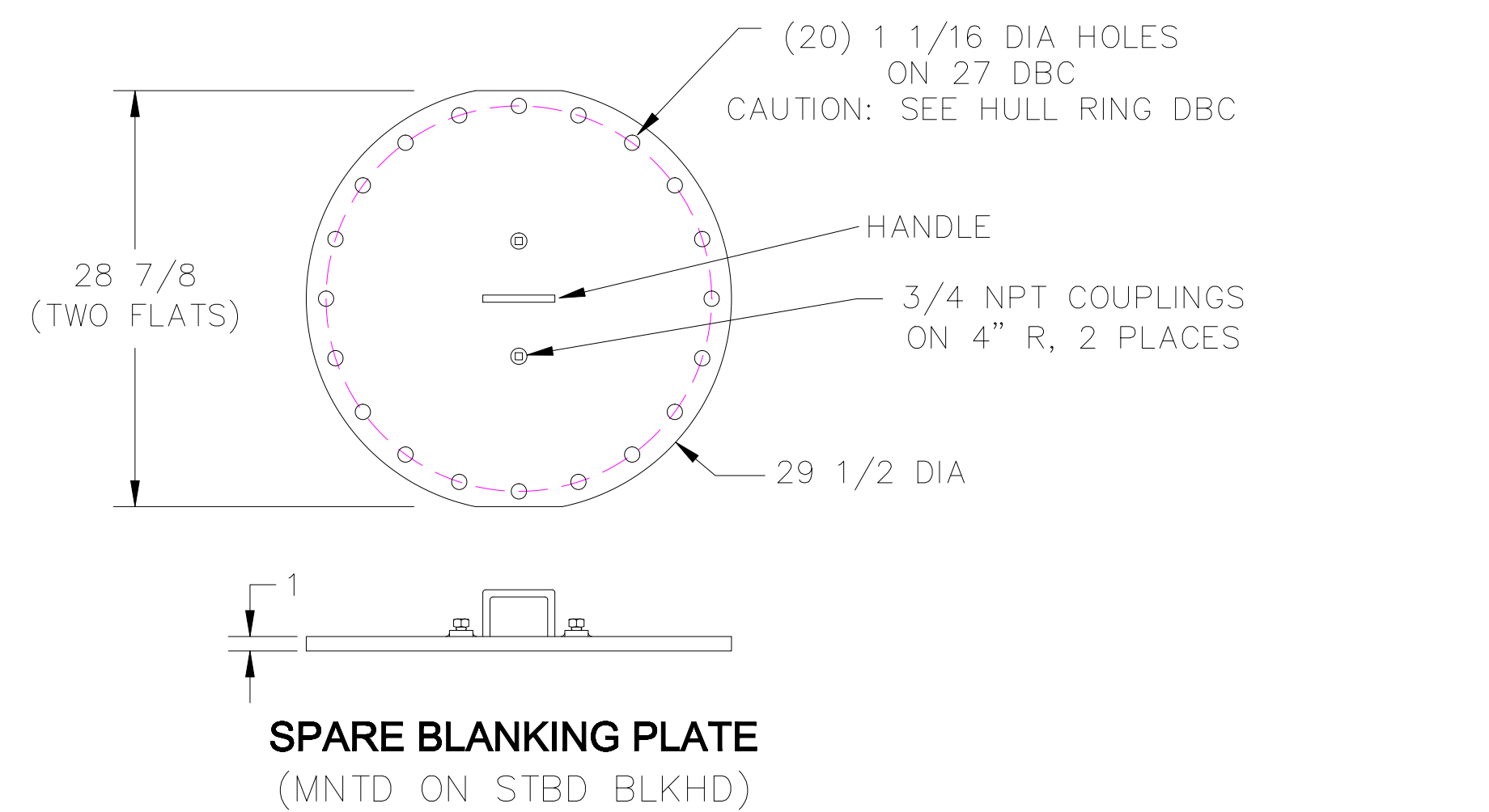
ADAPTER PLATE STORAGE NOTE:

INSTALL BOLTS IN THREADED HOLES &
NUTS ON STUDS TO MAINTAIN THREADS



SHIP LOCATION

Date: 02/11/03	Woods Hole Oceanographic Institution		
Draft: BGPD	Applied Ocean Physics & Engineering Dept. Shipboard Scientific Services		
Checked:	R/V KNORR		
Appvd:	TRANSDUCER MOUNTING ARRANGMENTS BOW CHAMBER		
Scale: plot .75=12			
File: FIND IN ADEPT			
Size C	Dwg. No. SKN0100	Sh. 1 of 3	Rev. F



3/16" THK 70 DUROMETER NEOPRENE GASKET (TYPICAL)

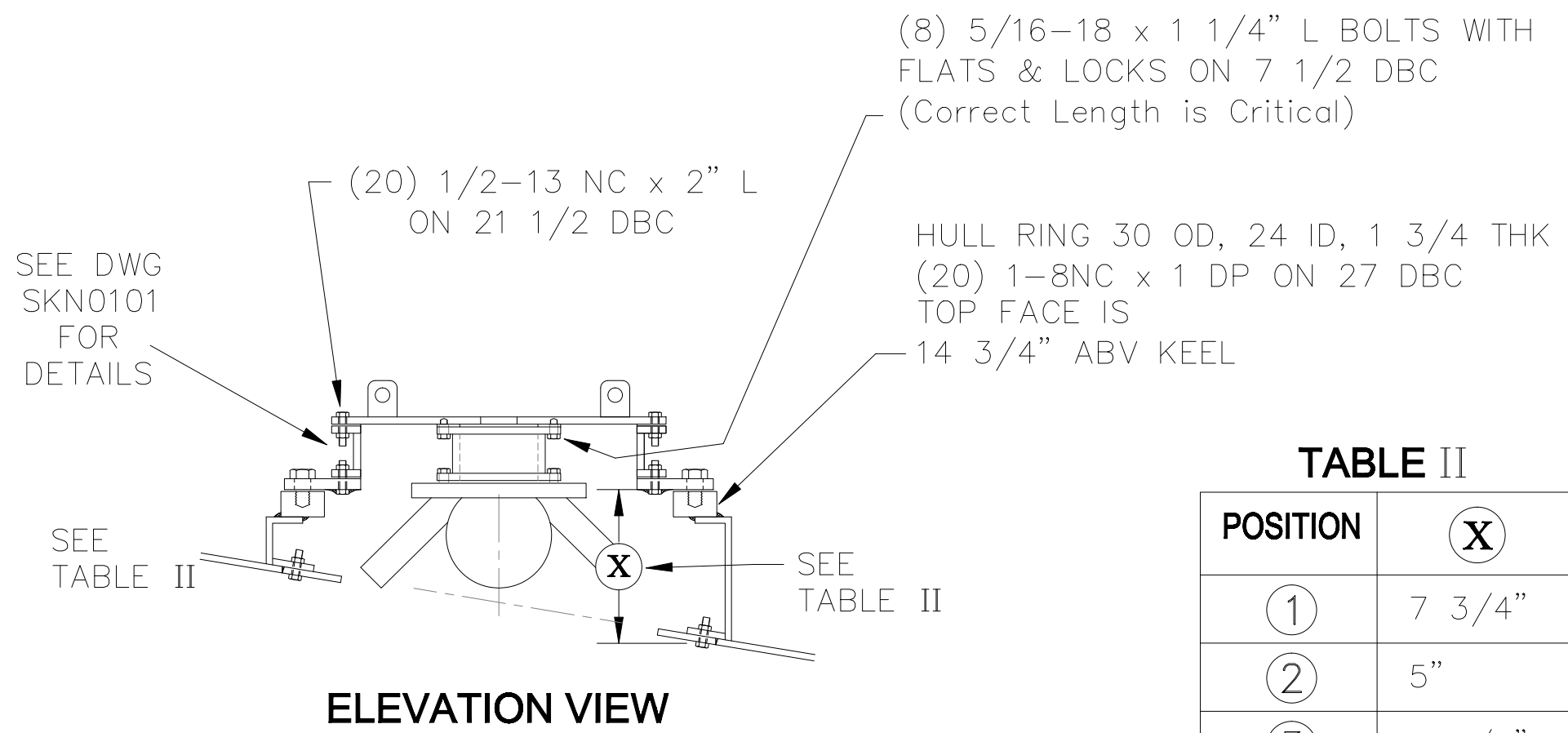
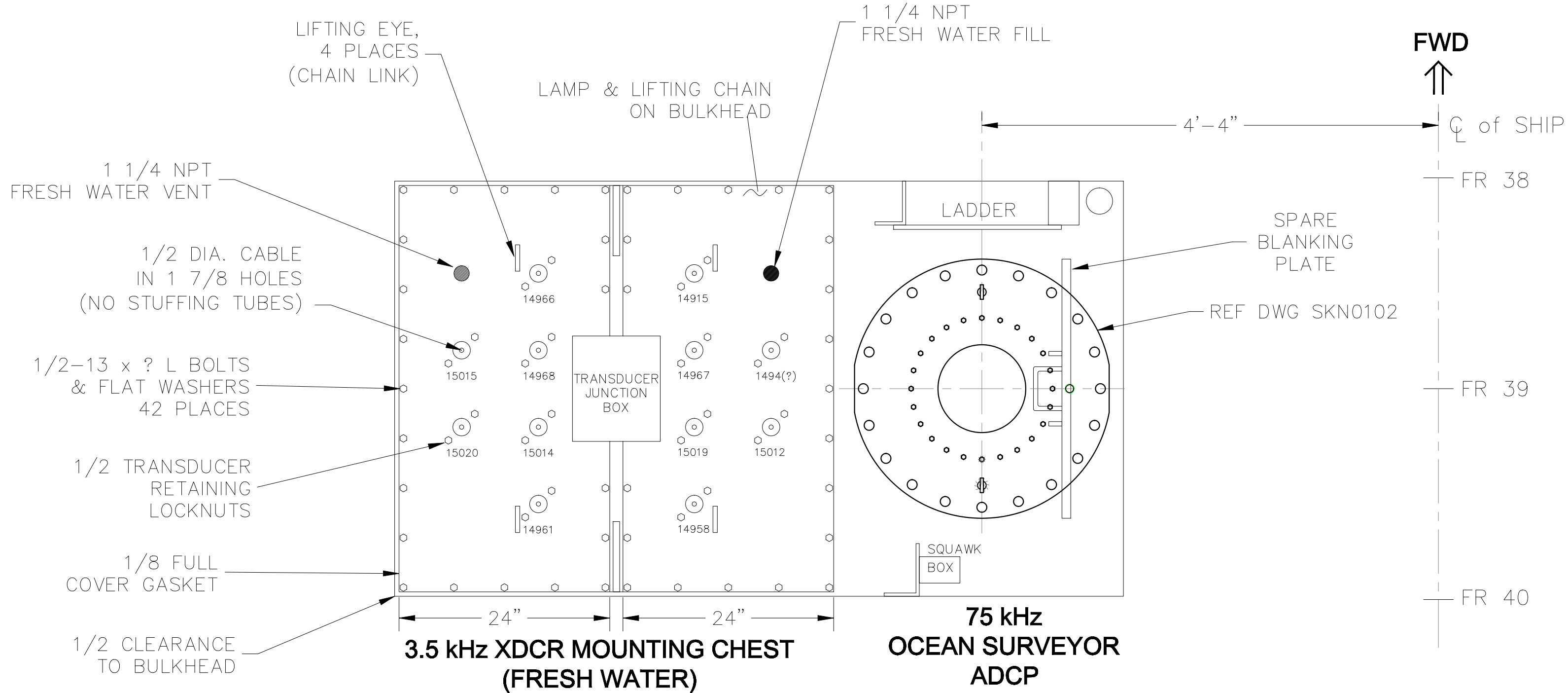
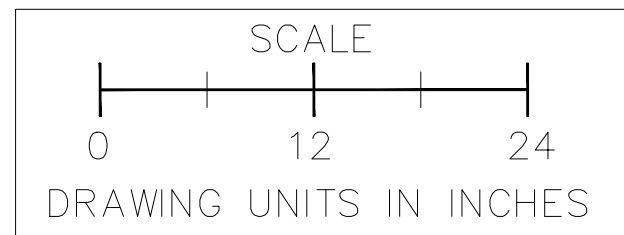
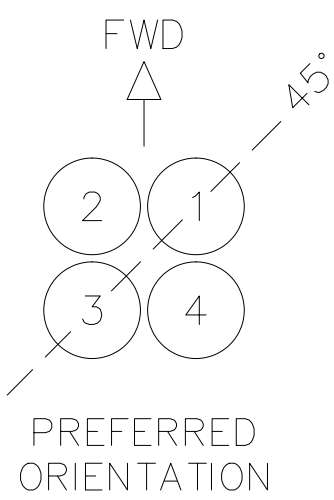


TABLE II	
POSITION	(X)
①	7 3/4"
②	5"
③	7 3/4"
④	10 3/4"

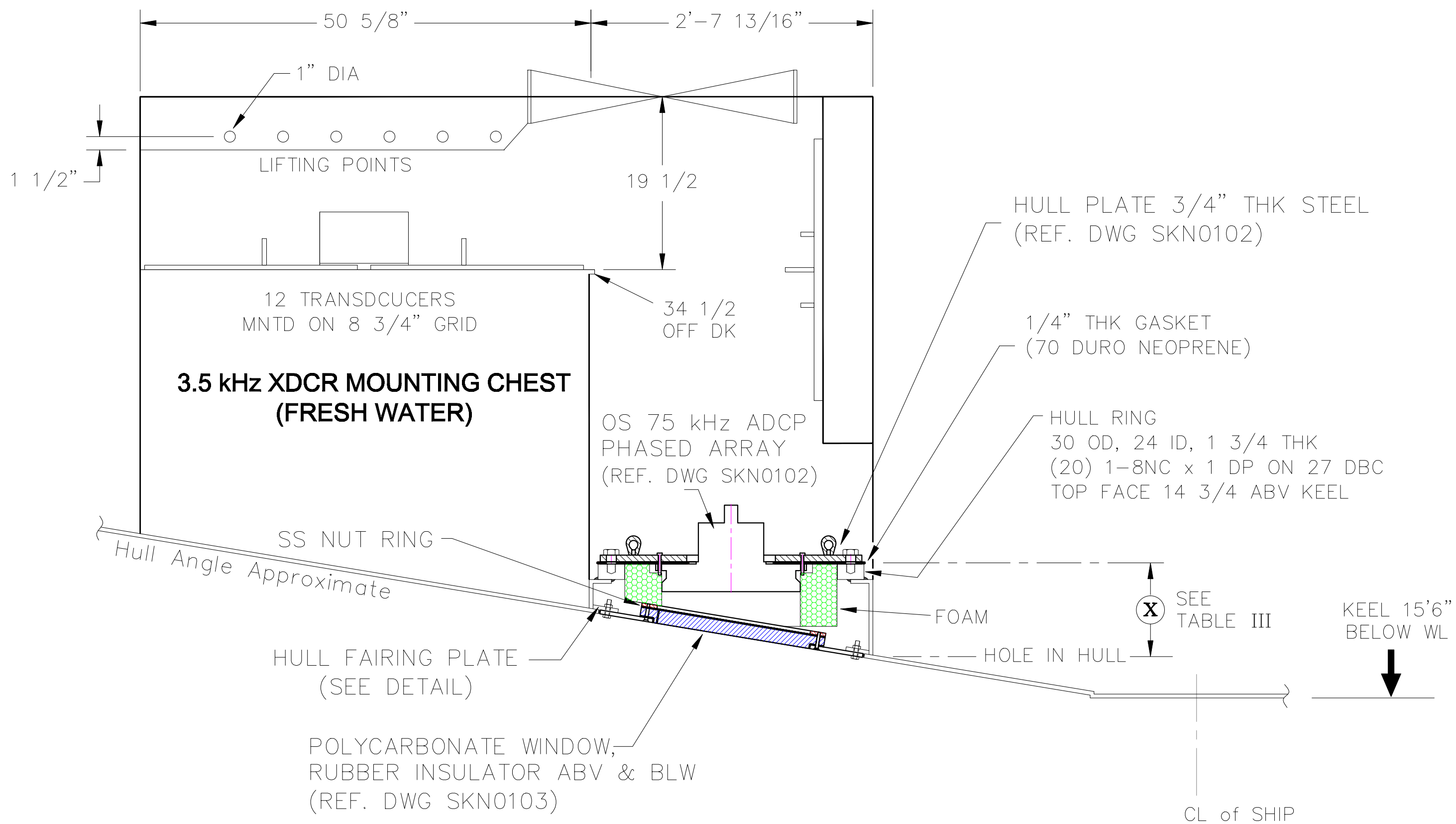
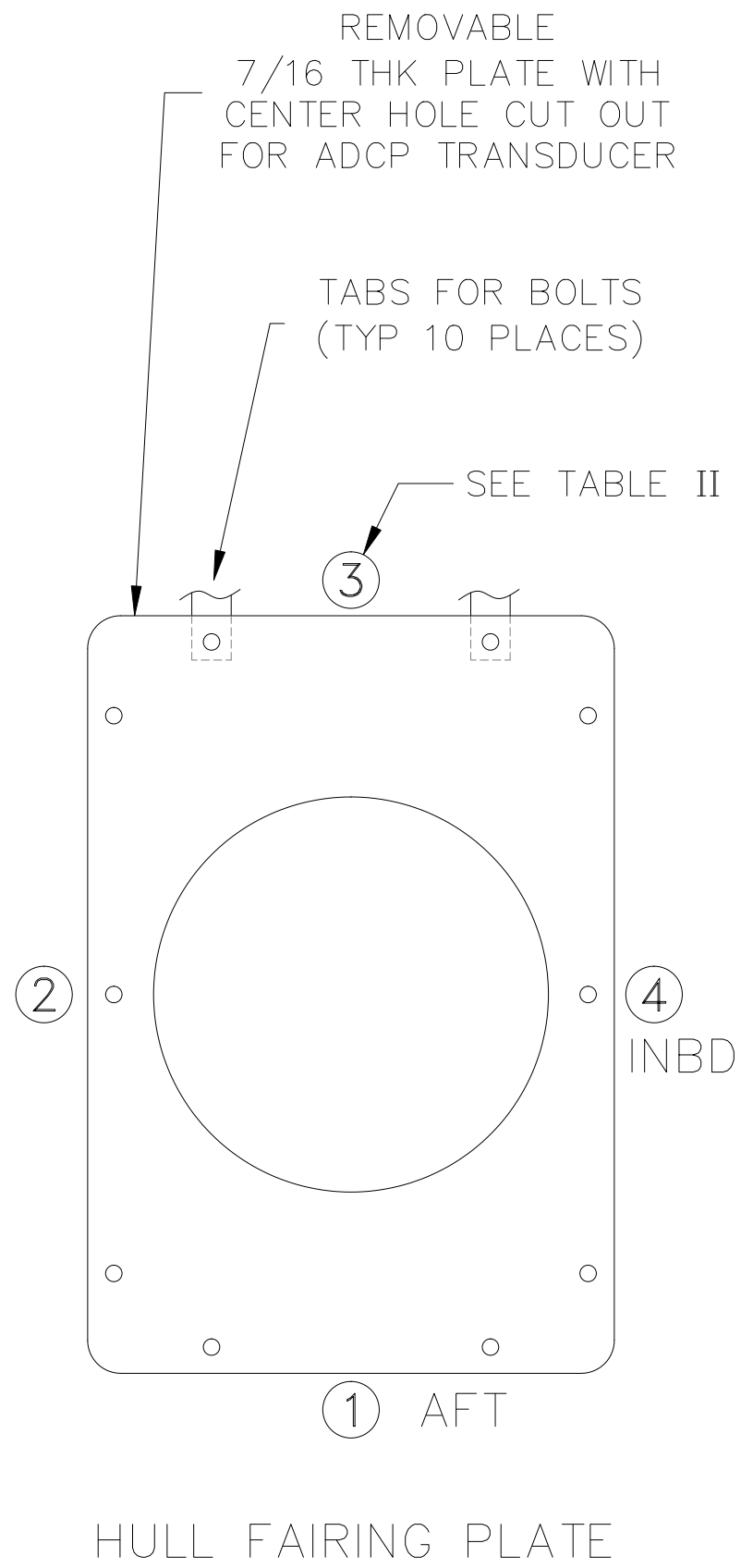
**NOT
CURRENTLY
INSTALLED**

INSTALLATION PRIOR TO NOV. 2002

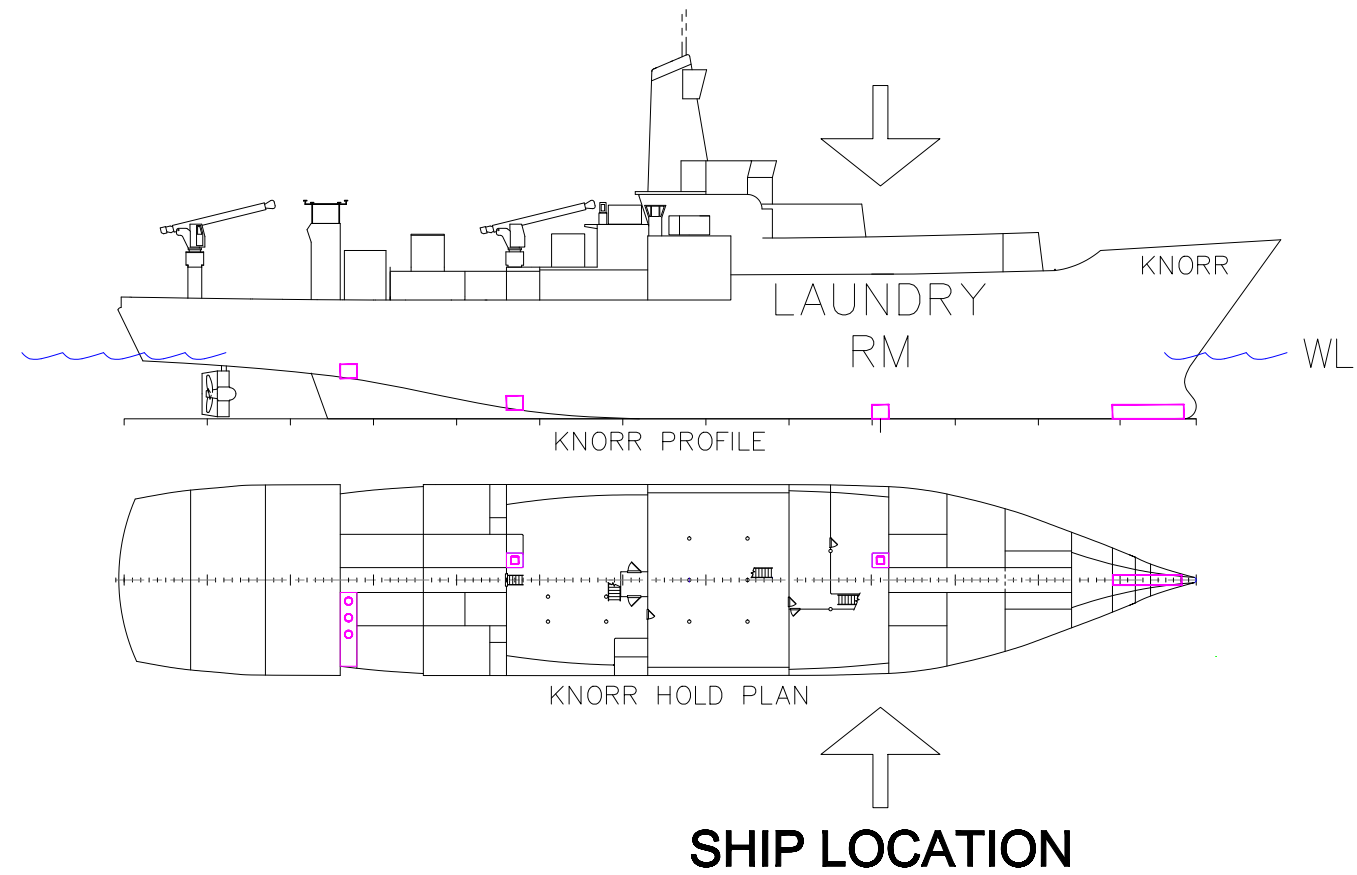
150 kHz NB ADCP



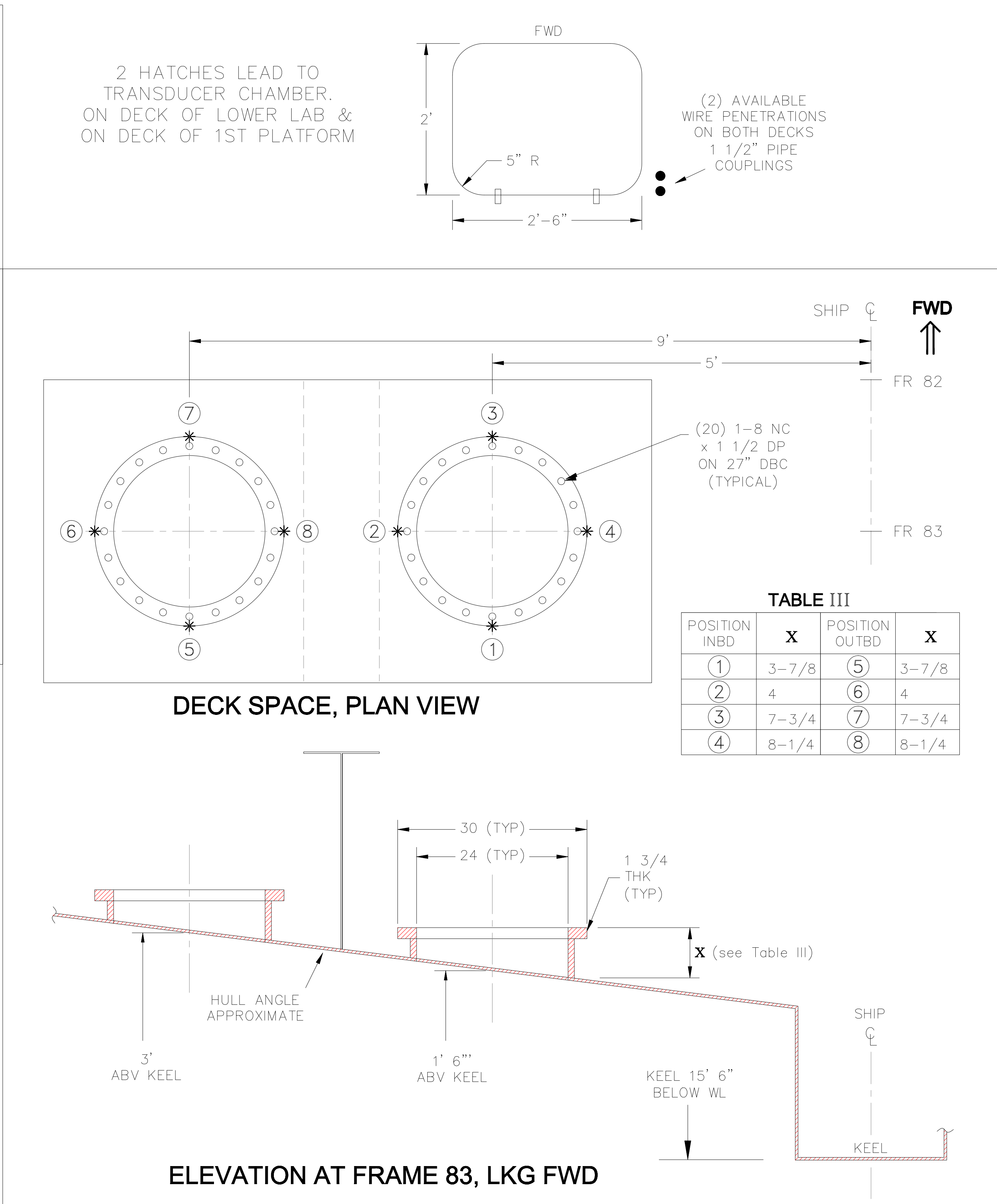
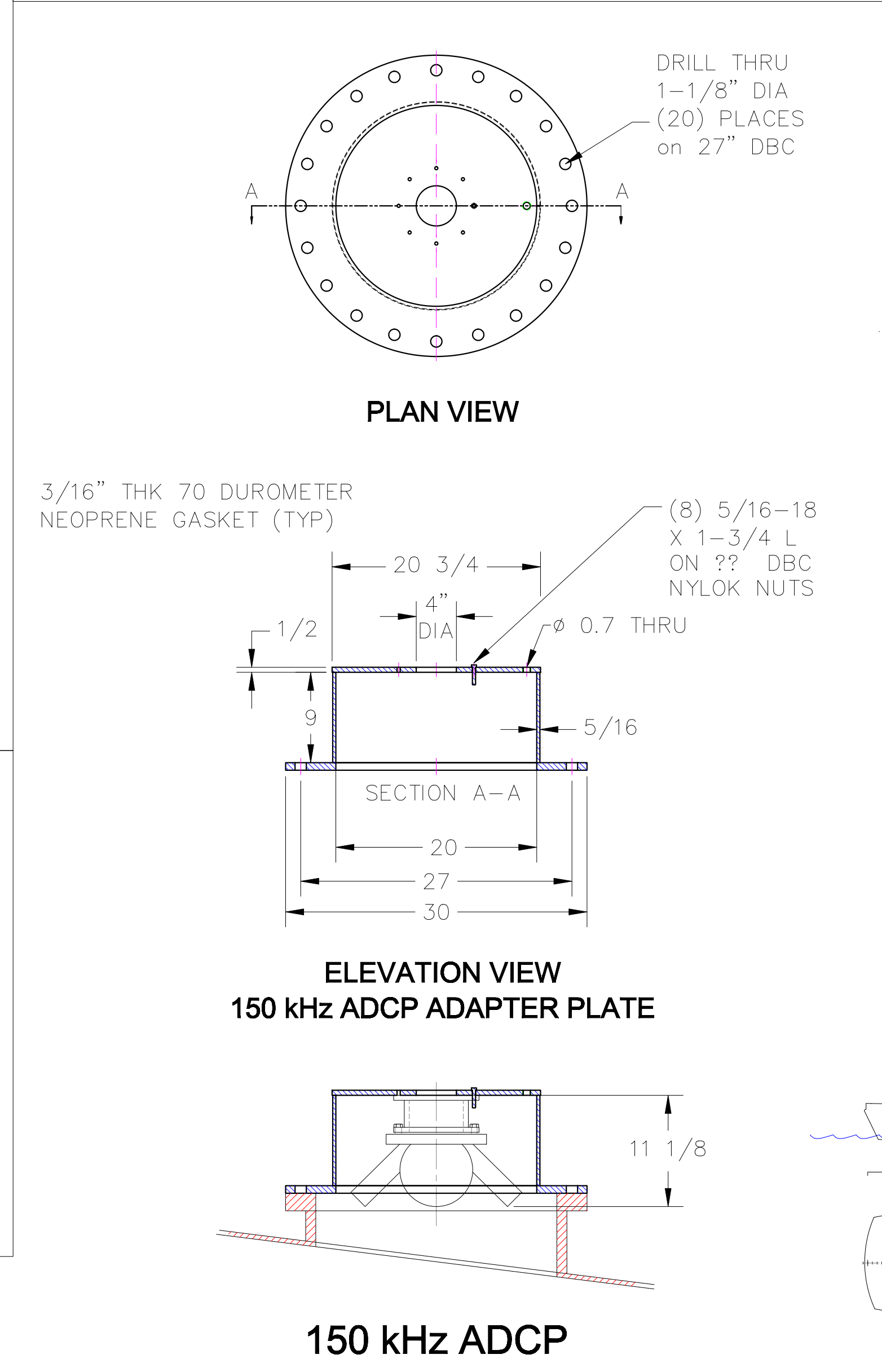
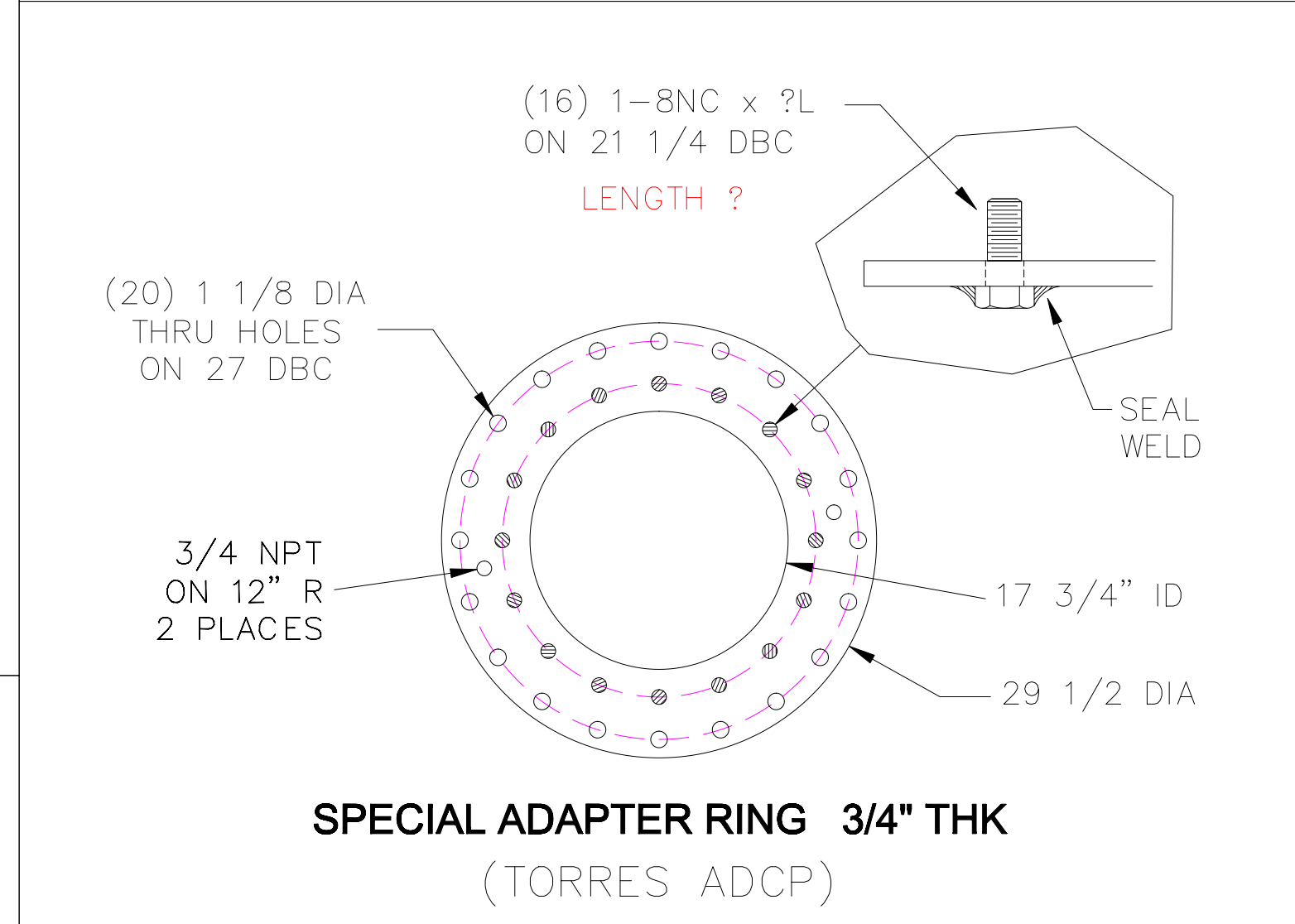
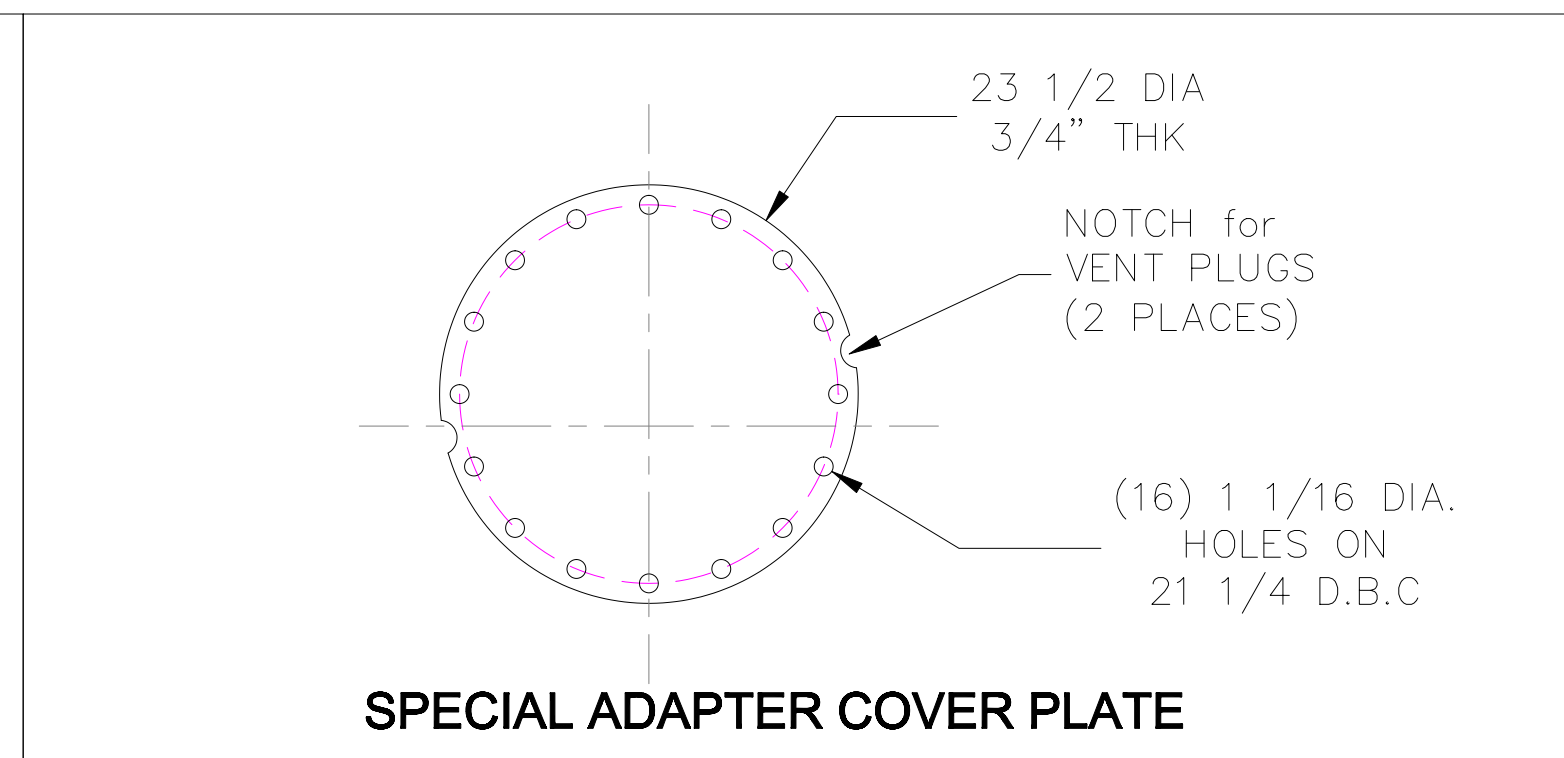
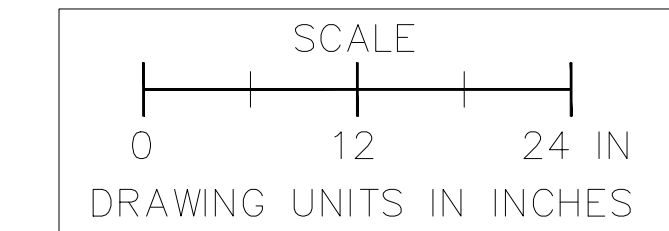
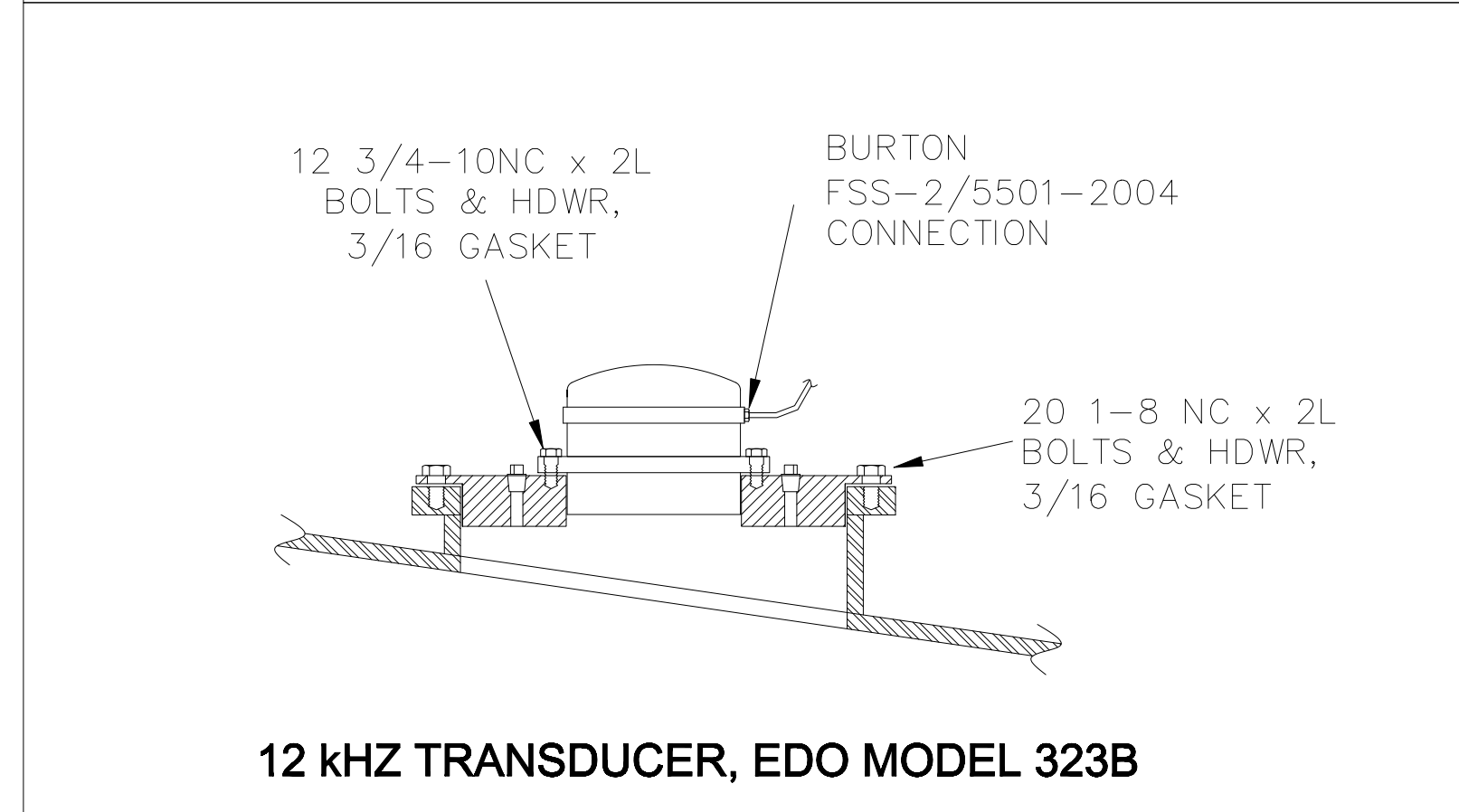
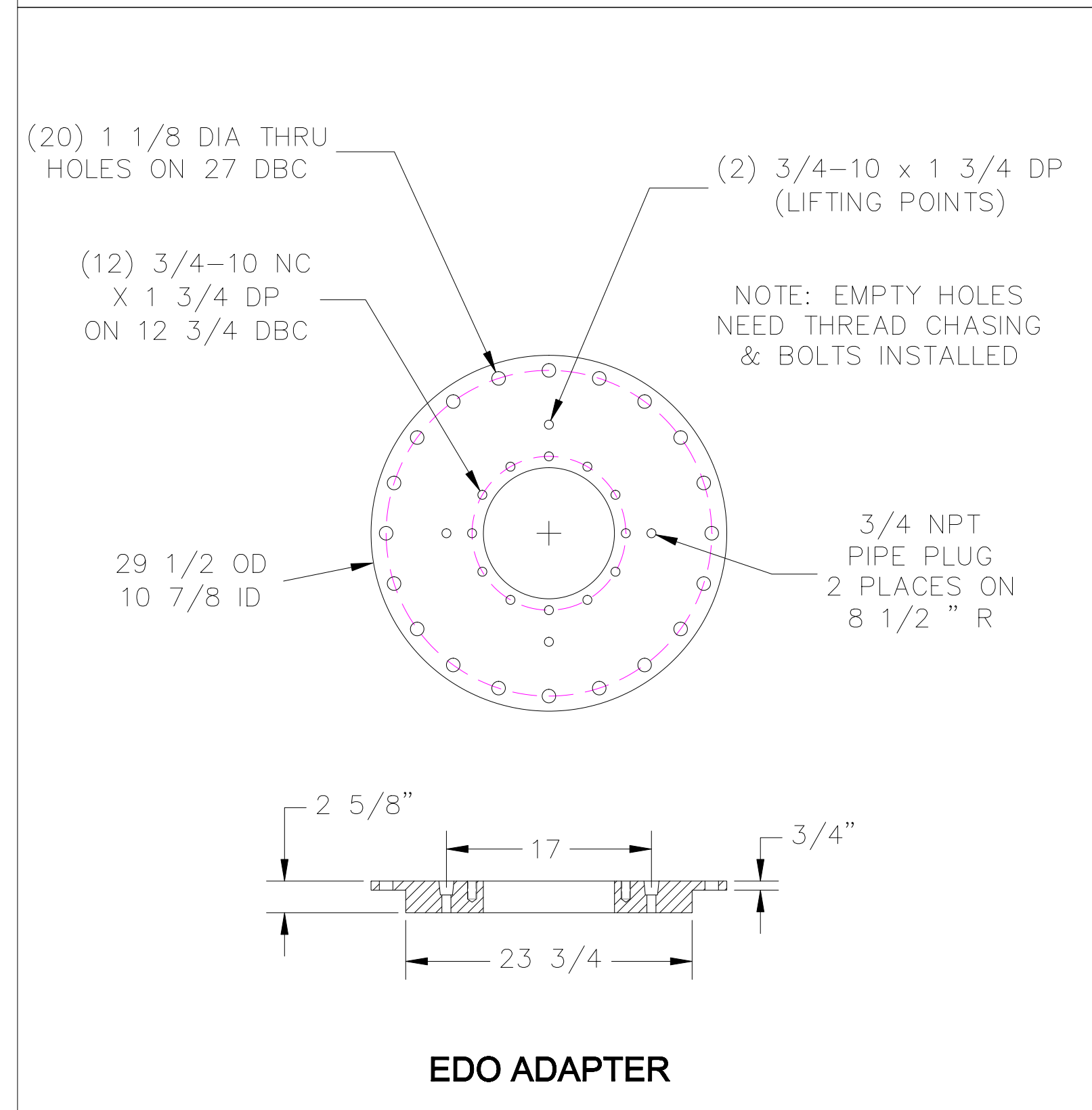
TRANSDUCER CHAMBER, PLAN VIEW



TRANSDUCER CHAMBER, SECTION VIEW AT FRAME 39, LKG FWD



Date: 02/11/03	Woods Hole Oceanographic Institution		
Draft: BGPD	Applied Ocean Physics & Engineering Dept. Shipboard Scientific Services		
Checked:	R/V KNORR		
Appvd:	TRANSDUCER MOUNTING ARRANGEMENTS		
Scale: plot .75=12	ROOM 4-38-4		
File: FIND IN ADEPT	BELOW LAUNDRY RM		
Size C	Dwg. No. SKN0100	Sh. 2 of 3	Rev. F



NORMAL INSTALLATIONS	
INBD	SPECIAL ADAPTER PLATE & COVER
OUTBD	EDO 12 kHz

Date: 02/11/03	Woods Hole Oceanographic Institution Applied Ocean Physics & Engineering Dept. Shipboard Scientific Services			
Draft: BGPD				
Checked:				
Appvd:				
Scale: plot .75=12				
R/V KNORR TRANSDUCER MOUNTING ARRANGEMENTS ROOM 4-82-2 BELOW LOWER LAB				
File: FIND IN ADEPT				
Size C	Dwg. No.	SKN0100	Sh. 3 of 3	Rev. F